



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

July 14, 1992

Mr. Ken A. Kluksdahl  
Mine Manager  
Tenneco Minerals Company - Utah  
P.O. Box 2650  
St. George, Utah 84770

*Ken*

Dear Mr. Kluksdahl:

Re: Conditional Notice of Tentative Approval, Tenneco Minerals Company - Utah, Goldstrike Mine, M/053/005, Washington County, Utah

The Division has completed its review of Tenneco Minerals latest permit revision response document, dated May 19, 1992, and has determined the response to be adequate and complete. Tenneco has provided sufficient technical detail to enable this Division to determine the permit revision application conceptually complete. We are now prepared to issue our tentative approval of this proposal. The Division has prepared a public notice which will be forwarded to the appropriate newspaper agencies to initiate a 30-day public comment period. Once the remaining items (as outlined below) have been resolved, and provided no substantive comments are received by the Division during the public comment period, the Division will be prepared to grant its final approval of Tenneco's project revision.

*The following items remain to be addressed as points of clarity. We assume they can be resolved prior to the expiration of the 30-public comment period.*

## R647-4-106.2 Operation Plan. - DWH

The Division has evaluated the proposed design plans for the third "valley fill" leaching facility. We find the plans to be conceptually complete and acceptable. However, we also recognize that ultimate design details and decommissioning standards will need approval of the Bureau of Land Management and the Utah Department of Environmental Quality (DEQ),



Page 2

Mr. Ken A. Kluksdahl

M/053/005

July 14, 1992

Division of Water Quality (DWQ). Therefore, our approval of this facility will be conditioned upon Tenneco's receipt of final DEQ and BLM approval. We request copies of the final approved design plans and decommissioning/effluent standards for the new leaching facility once they have been established by the DEQ (and BLM, as applicable).

R647-4-107. Operation Practices. - HWS/DWH

**107.2 and 107.3 - Drainages & Erosion Control**

The Division needs further clarification regarding the description of the low-flow crossing construction. Page 62 of the plan describes the construction of the crossings, but fails to answer all our questions. We are particularly interested in the outslope of the riprapped channels. Will they be designed such that they will contain all the runoff from a 100-year 24-hour event storm? What will be their bottom width versus top width? Will the crossings be designed such that all runoff flowing across the road will be contained within the riprapped channel constructed on the outslope of each low-flow crossing?

An inspection was conducted by Division staff on July 2, 1992, of the approved Covington pit road development. It was noted that there has been some change to the proposed road alignment and culvert locations as outlined in the approved amendment plans. Tenneco must provide the Division with updated "as-built" drawings which identify all changes that have been made on the ground as part of the ongoing haul road construction. We also request that Tenneco provide this office with advance notice prior to implementing similar significant design changes that are contrary to the approved plans.

It was also noted that a new culvert (@2 ft. diameter) has been emplaced under the new haul road to bypass drainage from Peg Leg Gulch. It is suggested that a trash rack be installed over the inlet to this culvert to prevent it from plugging with runoff debris. In Tenneco's May 19, 1992 response, a commitment is made to install trashracks on all culverts which are *not* designed to safely pass the runoff from the 100-year, 24-hour precipitation event. We recommend that any culvert which cannot be easily entered to remove entrapped debris (<3 feet diameter?), receive a trash rack.



Page 3

Mr. Ken A. Kluksdahl

M/053/005

July 14, 1992

**R647-4-111.2 Reclamation Practices, Natural Stream Channels. - DWH**

In Tenneco's May 19, 1992, response (page 71, revised text) to the Division's final approval of the permit amendment, a commitment is made to remove the culverts and road fill from drainages 1T, 2B, 4A, and 5A upon final reclamation. The approximate original stream channel configurations would subsequently be reestablished. The revised text (page 71) also states that where low-flow crossings are constructed, the channels would be re-established across the roads. On page 2 of Tenneco's May 19th cover letter, it is stated that the low-flow crossings will remain in place with little or no modification because they will be designed to pass the 100-yr, 24-hr precipitation event.

These statements are somewhat contradictory. As stated in previous Division review documents, our reclamation cost estimate will reflect a "worst case" scenario of removing the fill associated with all the low-flow crossings and reestablishment of approximate original stream channel configurations. The final decision for allowing any low-flow crossings to remain will be made jointly by the Division, BLM and the county(?) upon mine closure. The decision will be based upon performance and maintenance records obtained over the remaining mine life.

The Division has considered the May 19, 1992 letter from JBR Consultants, regarding Tenneco's request for re-evaluation of the haul road low-flow crossings on drainages 2B and 4A. Arguments are presented regarding the Division's 100 cfs "cut-off" for requiring culverts to be installed in lieu of the proposed low-flow crossing. After evaluating the supplemental information provided, the Division is not convinced or prepared to change its position on this issue. Our original decision stands on culverting those drainages that will have design flow discharge rates in excess of 100 cfs.

**R647-4-113.3. Surety. - AAG**

An estimate of the volume of fill material to be placed in proposed low-flow crossings (2B & 4A) is needed to adjust the reclamation estimate. The Division has assumed some volumes and has prepared a draft estimate (attached) based upon those assumptions. Please provide further clarification in this regard.



Page 4

Mr. Ken A. Kluksdahl

M/053/005

July 14, 1992

On page 71 of the plan, it states that approximately 6,000 LF of Goldsil haul road will be regraded, but the reclamation treatments maps only show @3,400 LF of regraded road. Please explain this discrepancy.

R647-4-110.2. Reclamation Plan. - AAG

Tenneco's latest response indicates negotiations with the BLM and County are currently underway to leave the haul road for continued post-mine use. What is the current status of these negotiations and who will assume continued long-term maintenance?

As you know, the Board of Oil, Gas and Mining (on March 25, 1992), approved of Tenneco's amount and form of revised reclamation surety (pursuant to the Covington permit amendment). A subsequent board approval may not be required, unless a significant increase to the surety becomes necessary as part of our final approval of this revision. We will try to coordinate our public comment period and issuance of final approval with the Bureau of Land Management to the extent possible. Thank you for your continued cooperation and patience in completing this permitting action.

Sincerely,



Lowell P. Braxton  
Associate Director, Mining

jb

cc: Debbie Pietrzak, Dixie RA, BLM  
Don Ostler, DWQ  
Elliott Lips, JBR  
Minerals staff (route)

M053005.1



## RECLAMATION ESTIMATE

DRAFT

Tenneco Minerals Company (TMC)

Goldstrike Mine Washington County

M/053/005

last revision

July 13, 1992

Prepared by Utah State Division of Oil, Gas &amp; Mining

## Reclamation Details

- TMC estimates, DOGM unit costs, Means Site Work & Blue Book used
- Generator for decommission of heap leach (10 months)
- Decommission labor, reagents, supplies, vehicles, etc.(TMC estimate)
- Regrade leach pads, plant, ponds, Padre dump & road, 6000' Goldsil road
- Rip ponds to 24"; all roads, plant, crusher, & contractor sites to 12"
- Remove 4 + 4 culverts; haul, dump, & spread fill (TMC estimate)
- Partial backfilling of Padre & Moosehead pits (to be non-impounding)
- Remove 6 low-flow crossings (re-establish channels)
- Hauling & placing topsoil by scrapers, dozers, & water truck
- Seeding, mulching, crimping, fertilizing or hydroseeding (TMC estimate)
- Miscellaneous: plant & lab demolition, equip. mob/demob, DI pipeline
- Total disturbed area = 382 acres, reclaimed area = 323 acres

Description	Amount	\$/Unit	Cost-\$
Generator (Decommission)	10 mo	750	7,500
Labor (Decommission)	TMC estimate		348,200
Miscellaneous (Decommission)	10 mo	6,000	60,000
Regrading	1,770 hr	185	327,450
Ripping	107 hr	191	20,437
Culvert Removal (Goldstrike= 4)	4	200	800
Culvert Removal (Goldsil= 4)	TMC estimate		71,700
Pit Backfill (Padre & Moosehead)	600,000 ton	0.333	199,800
Removal of low-flow crossings	6 each	6,700	40,200
Topsoiling (TMC estimate)	547 hr	686	375,242
Revegetation	TMC estimate		184,200
Highwall Fence (TMC est)	2,150 ft	3.67	7,891
Miscellaneous	TMC estimate		39,000
Supervision	TMC estimate		44,500
SUBTOTAL			1,726,920
+ 10% CONTINGENCY			172,692
SUBTOTAL			1,899,611
+ 5 yr ESCALATION(1.27%)			123,728
TOTAL			2,023,340
ROUNDED TOTAL IN 1997-\$			\$2,023,000
Average cost per acre =		\$6,263 per acre	



STATE ACTIONS

m/053/005

Mail to:  
Grants Coordinator  
State Clearinghouse  
116 State Capitol, SLC, Utah 84114  
533-4971

<p>1. Administering State Agency:</p> <p>Division of Oil, Gas and Mining 355 West North Temple, Suite 350 Salt Lake City, Utah 84180-1203</p>	<p>2. State Application Identifier Number: (assigned by State Clearinghouse)</p> <p>3. Approximate date project will start:</p> <p>September 1, 1992</p>
<p>4. Areawide clearinghouse(s) receiving State Action:</p> <p>John Williams Five County Association of Governments P. O. Box 1550 St. George, Utah 84771</p>	
<p>5. Type of action: <input type="checkbox"/> Lease <input checked="" type="checkbox"/> Permit <input type="checkbox"/> License <input type="checkbox"/> Land Acquisition <input type="checkbox"/> Land Sale <input type="checkbox"/> Land Exchange <input checked="" type="checkbox"/> Other <u>Revision to Existing Permit</u></p>	
<p>6. Title of proposed action: Issuance of Division approval for a permit revision to Tenneco Minerals existing Goldstrike Mine.</p>	
<p>7. Description: Tenneco Minerals has submitted a complete permit revision application to expand their existing Goldstrike mining operation in Washington County, Utah. Proposed activities include the following: Development of 5 new pits (@60 acres), additional haul road development to access pits (@64 acres), one new waste rock dump (@ 13 acres), and a new leach pad #3 (Valley Fill) comprising (@14 acres). Total project revision disturbance equals 157 acres. Total mine site disturbance will equal 382 acres. A \$2,000,000 reclamation surety has been provided to cover decommissioning and reclamation costs.</p>	
<p>8. Land affected (site location map required) (indicate county): Combination of privately held and BLM managed lands. SE/4 and S/2 - Section 19; N/2 - Section 20; and NW/4 - Section 30, Township 39 South, Range 18 West; and NE/4 - Section 25, Township 39 South, Range 19 West, SLBM, Washington County, Utah</p>	
<p>9. Has the local government(s) been contacted? Yes</p>	
<p>10. Possible significant impacts likely to occur: "State of the Art" mining and heap leaching methodologies will be employed to minimize impacts to the environment and to the health and safety of the general public. Stringent design requirements of the State Department of Environmental Quality, the Bureau of Land Management and State Division of Oil, Gas and Mining will be implemented by Tenneco to assure potential impacts to environment are eliminated or controlled during and after operations.</p>	
<p>11. Name and phone number of district representative from your agency near project site, if applicable: N/A</p>	
<p>12. For further information, contact:</p> <p>D. Wayne Hedberg (Division of Oil, Gas and Mining)</p>	<p>13. Signature and title of authorized officer:</p> <p><i>D. Wayne Hedberg</i> Permit Supervisor Minerals Regulatory Program</p>
<p>Phone: (801) 538-5340</p>	<p>Date: <i>July 14, 1992</i></p>



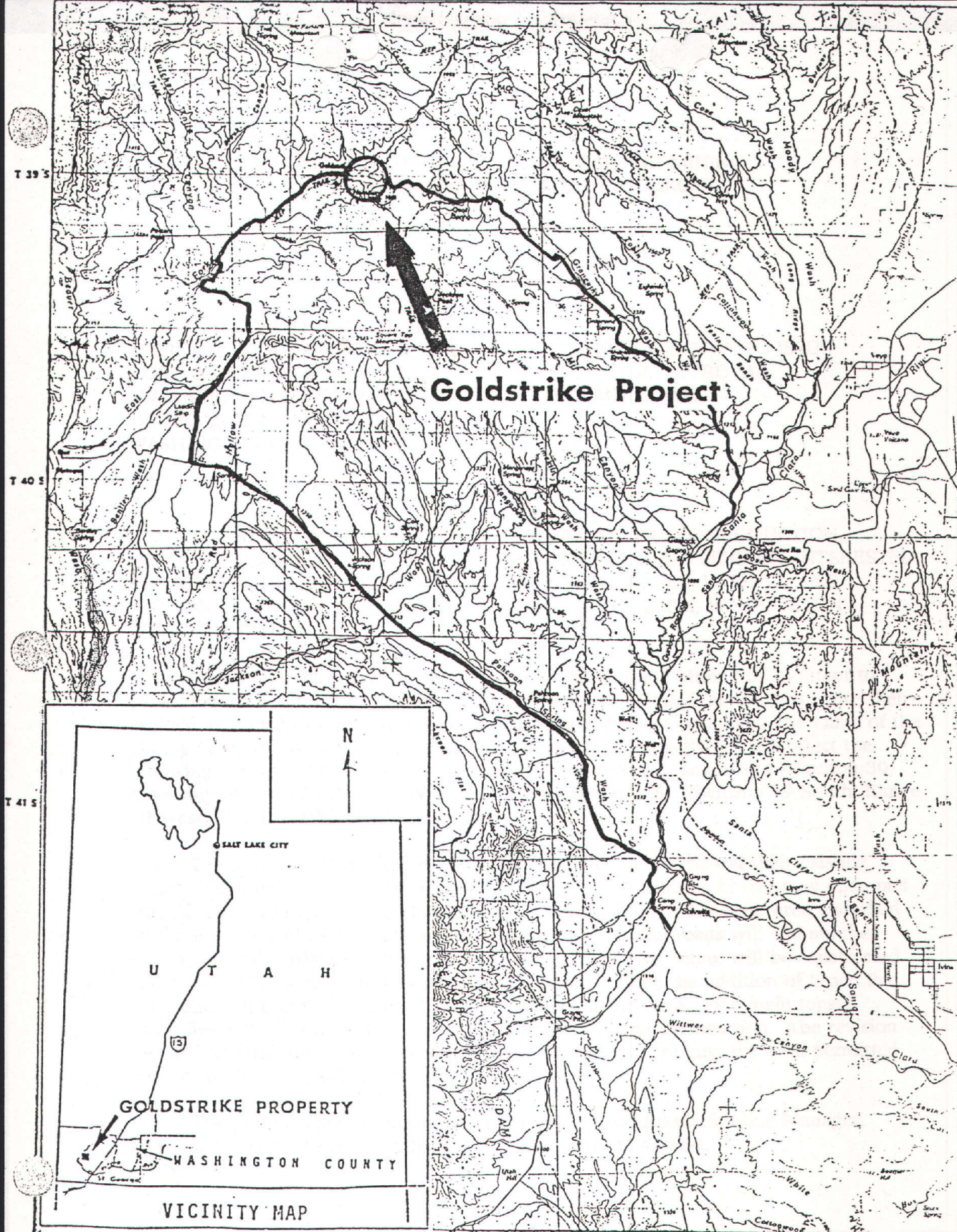


FIGURE 1.1-1 LOCATION MAP

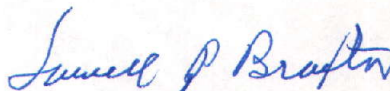


Page 3  
Tenneco Permit Revision  
Public Notice  
M/053/005

Any person or agency aggrieved by this notice of intent to issue tentative approval is hereby requested to submit written protest within thirty (30) days of the date of publication to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203, setting forth factual reasons for his or her complaint, and thereafter, at a time and place to be established, appear before the Board of Oil, Gas and Mining to show cause, if any, why this mine plan revision should not be approved.

DATED THIS 14th day of July, 1992.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING



Dianne R. Nielson  
Director





# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangert  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

July 15, 1992

Newspaper Agency Corporation  
Legal Advertising  
P. O. Box 45838  
Salt Lake City, Utah 84145

Gentlemen:

Re: NOTICE OF TENTATIVE APPROVAL - M/053/005

Attached is a Notice of Tentative Approval from the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published **ONCE ONLY** as soon as possible, but no later than the 18th day of July, 1992. In the event that said notice cannot be published by this date, please notify me immediately by calling 538-5340.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Joelle Burns  
Minerals Secretary

jb  
Attachment





# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

July 13, 1992

Daily Spectrum  
Legal Advertising  
P. O. Box 1630  
St. George, Utah 84771

Gentlemen:

Re: NOTICE OF TENTATIVE APPROVAL - M/053/005

Attached is a Notice of Tentative Approval from the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published **ONCE ONLY** as soon as possible, but no later than the 17th day of July, 1992. In the event that said notice cannot be published by this date, please notify me immediately by calling 538-5340.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Joelle Burns  
Minerals Secretary

jb  
Attachment





# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter

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Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

July 14, 1992

Permian Exploration Account  
515 Madison Avenue, 32nd Floor  
New York, New York 10022

Gentlemen:

Re: Public Notice to Owners of Record, Mine Plan Permit Revision, Tenneco Minerals Company - Utah, Goldstrike Mine, M/053/005, Washington County, Utah

Pursuant to Rule 647-4-116 of the Utah Division of Oil, Gas and Mining's Minerals Reclamation Program, you are hereby notified of the Division's intent to issue tentative approval for Tenneco Minerals revised permit application for their Goldstrike project in Washington County, Utah. This rule requires that all owners of record of the land affected be notified of said action. A copy of the attached public notice that will be published in the local and Salt Lake area newspapers is attached for your reference and information.

Anyone aggrieved by this tentative decision is hereby advised to file a written protest with this Division setting forth factual reasons why this proposed operation should not be approved. Written objections of substance, received by the Division during the public comment period, will be heard at a hearing before the Board of Oil, Gas and Mining, in accordance with UCA §40-8-8.

Sincerely,

D. Wayne Hedberg  
Permit Supervisor  
Minerals Regulatory Program

jb  
Attachment





# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

July 14, 1992

Mr. Paul Lamoreaux  
Padre Mining Company, Incorporated  
P. O. Box 610  
Parowan, Utah 84761

Dear Mr. Lamoreaux:

Re: Public Notice to Owners of Record, Mine Plan Permit Revision, Tenneco Minerals Company - Utah, Goldstrike Mine, M/053/005, Washington County, Utah

Pursuant to Rule 647-4-116 of the Utah Division of Oil, Gas and Mining's Minerals Reclamation Program, you are hereby notified of the Division's intent to issue tentative approval for Tenneco Minerals revised permit application for their Goldstrike project in Washington County, Utah. This rule requires that all owners of record of the land affected be notified of said action. A copy of the attached public notice that will be published in the local and Salt Lake area newspapers is attached for your reference and information.

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Sincerely,

D. Wayne Hedberg  
Permit Supervisor  
Minerals Regulatory Program

jb  
Attachment





# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangert  
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Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

July 14, 1992

Theon and Annette Bauer  
362 North 600 West  
Cedar City, Utah 84720

Dear Mr. and Mrs. Bauer:

Re: Public Notice to Owners of Record, Mine Plan Permit Revision, Tenneco Minerals Company - Utah, Goldstrike Mine, M/053/005, Washington County, Utah

Pursuant to Rule 647-4-116 of the Utah Division of Oil, Gas and Mining's Minerals Reclamation Program, you are hereby notified of the Division's intent to issue tentative approval for Tenneco Minerals revised permit application for their Goldstrike project in Washington County, Utah. This rule requires that all owners of record of the land affected be notified of said action. A copy of the attached public notice that will be published in the local and Salt Lake area newspapers is attached for your reference and information.

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Sincerely,

D. Wayne Hedberg  
Permit Supervisor  
Minerals Regulatory Program

jb  
Attachment





Norman H. Bangerter  
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Dee C. Hansen  
Executive Director  
Dianne R. Nielson, Ph.D.  
Division Director

# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

July 14, 1992

Mr. Ken A. Kluksdahl  
Mine Manager  
Tenneco Minerals Company - Utah  
P. O. Box 2650  
St. George, Utah 84771

Dear Mr. Kluksdahl:

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Sincerely,

D. Wayne Hedberg  
Permit Supervisor  
Minerals Regulatory Program

jb  
Attachment





Norman H. Bangertter

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Executive Director

Dianne R. Nielson, Ph.D.

Division Director

# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

July 14, 1992

Ms. Debbie Pietrzak  
Bureau of Land Management  
Dixie Resource Area  
P. O. Box 726  
St. George, Utah 84770

Dear Ms. Pietrzak:

Re: Public Notice to Owners of Record, Mine Plan Permit Revision, Tenneco Minerals Company - Utah, Goldstrike Mine, M/053/005, Washington County, Utah

Pursuant to Rule 647-4-116 of the Utah Division of Oil, Gas and Mining's Minerals Reclamation Program, you are hereby notified of the Division's intent to issue tentative approval for Tenneco Minerals revised permit application for their Goldstrike project in Washington County, Utah. This rule requires that all owners of record of the land affected be notified of said action. A copy of the attached public notice that will be published in the local and Salt Lake area newspapers is attached for your reference and information.

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Sincerely,

D. Wayne Hedberg  
Permit Supervisor  
Minerals Regulatory Program

jb  
Attachment



\*\*\*\*\*

\*\* TRANSMIT CONFIRMATION REPORT \*\*

Journal No. : 005  
Receiver :  
Transmitter : DIV OIL GAS & MINING  
Date : Jul 15,92 10:20  
Document : 10 pages  
Time : 06'43"  
Mode : G3 NORMAL  
Result : OK

*m/053/005*

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\*\* TRANSMIT CONFIRMATION REPORT \*\*

Journal No. : 005  
Receiver :  
Transmitter : DIV OIL GAS & MINING  
Date : Jul 15, 92 10:20  
Document : 10 pages  
Time : 06:43  
Mode : 63 NORMAL  
Result : OK

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Norman H. Bangerter  
Governor  
Dee C. Hansen  
Executive Director  
Dianne R. Nielson, Ph.D.  
Division Director

# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

Date: July 15

Number of Pages Including This Cover Sheet: 10

TO:

Larry Lore  
BLM- Dixie Resource Area  
255 N. Bluff PO Box 726  
St George Ut 84770

Phone: (Fax)

1-327-0200

FROM:

Wayne Hedberg / JAB  
Minerals Reclamation and Development Program

Phone:

(801) 538-5340

FAX:

(801) 359-3940

SUBJECT:

Senneco minerals - Tentative Approval  
and Public Notice.

REMARKS:

Should you encounter any problems with this copy, or do not receive all the pages, please call

MN9/61



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\*\* TRANSMIT CONFIRMATION REPORT \*\*

*m/053/005*

Journal No. : 003  
Receiver : 8016739737  
Transmitter : DIV OIL GAS & MINING  
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Mode : G3 NORMAL  
Result : OK

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\*\* TRANSMIT CONFIRMATION REPORT \*\*

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Transmitter : DIV OIL GAS & MINING  
Date : Jul 12.92 9:42  
Document : 02 pages  
Time : 03.28  
Mode : G3 NORMAL  
Result : OK  
\*\*\*\*\*





Norman H. Bangerter  
Governor  
Dee C. Hansen  
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Dianne R. Nielson, Ph.D.  
Division Director

# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

Date: July 15, 1992

Number of Pages Including This Cover Sheet: 5

TO: Daily Spectrum  
Attn: Donna

Phone: (Fax) 673-9737

FROM: Joell Burns  
Minerals Reclamation and Development Program

Phone: (801) 538-5340

FAX: (801) 359-3940

SUBJECT: Notice of Tentative Approval - M/053/005

REMARKS: Original hard copy in mail

Should you encounter any problems with this copy, or do not receive all the pages, please call

MN9/61



\*\*\*\*\*

\*\* TRANSMIT CONFIRMATION REPORT \*\*

*m/053/005*

Journal No. : 002  
Receiver :  
Transmitter : DIV OIL GAS & MINING  
Date : Jul 15, 92 9:32  
Document : 05 pages  
Time : 03'15"  
Mode : G3 NORMAL  
Result : OK

\*\*\*\*\*



\*\*\*\*\*  
\*\* TRANSMIT CONFIRMATION REPORT \*\*

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Receiver :  
Transmitter : DIV OIL GAS & MINING  
Date : Jul 15.92 9:32  
Document : 05 pages  
Time : 03.15  
Mode : G3 NORMAL  
Result : OK

\*\*\*\*\*





Norman H. Bangerter  
Governor  
Dee C. Hansen  
Executive Director  
Dianne R. Nielson, Ph.D.  
Division Director

# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

Date: July 15, 1992

Number of Pages Including This Cover Sheet: 5

TO: Newspaper Agency Corp.  
Attn: Legal Dept.

Phone: (Fax) 237-2776

FROM: Jaell Burns  
Minerals Reclamation and Development Program

Phone: (801) 538-5340

FAX: (801) 359-3940

SUBJECT: Notice of Tentative Approval - M/053/005

REMARKS: Original hard copy in mail.

Should you encounter any problems with this copy, or do not receive all the pages, please call

MN9/61



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\*\* TRANSMIT CONFIRMATION REPORT \*\*

Journal No. : 006  
Receiver : 801 942 1852  
Transmitter : DIV OIL GAS & MINING  
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Document : 09 pages  
Time : 04'48"  
Mode : G3 NORMAL  
Result : OK

*m/053/005*

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Norman H. Bangerter  
Governor  
Dee C. Hansen  
Executive Director  
Dianne R. Nielson, Ph.D.  
Division Director

# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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JBR

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FROM: Wayne Hedberg / JBR  
Minerals Reclamation and Development Program

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SUBJECT: Tenneco minerals - Tentative Approval Letter  
and Public Notice.

REMARKS: Hard copy of letter in today's mail.

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MN9/61